

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G01R33/385

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, INSPEC, MEDLINE, EMBASE, BIOSIS, WPI Data, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 414 489 B1 (RADZIUN MICHAEL J ET AL) 2 July 2002 (2002-07-02)	1,2
Y	column 3, line 52 - column 4, line 6; figures 1,2	3-12,14, 15,17
Y	US 2003/016018 A1 (ARZ WINFRIED) 23 January 2003 (2003-01-23) paragraph '0008! - paragraph '0013! paragraph '0022!	3-12,14, 15,17
X	DE 198 38 390 A (SIEMENS AG) 2 March 2000 (2000-03-02)	1,2
A	column 3, line 18 - line 20 column 3, line 49 - line 55	3-19
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

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\*P\* document published prior to the international filing date but later than the priority date claimed

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\* & \* document member of the same patent family

Date of the actual completion of the international search

25 August 2004

Date of mailing of the international search report

02/09/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl;  
Fax (+31-70) 340-3016

Authorized officer

Skalla, J

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 084 676 A (SAHO NORIHIIDE ET AL) 28 January 1992 (1992-01-28)	1,2,19
A	column 3, line 51 - line 66 column 6, line 57 - column 7, line 44	3-18
X	EP 0 350 640 A (TOKYO SHIBAURA ELECTRIC CO) 17 January 1990 (1990-01-17)	1,2
A	page 5, line 8 - line 49 page 10, line 34 - line 37	3-19
X	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 07, 3 July 2002 (2002-07-03) -& JP 2002 085368 A (GE MEDICAL SYSTEMS GLOBAL TECHNOLOGY CO LLC), 26 March 2002 (2002-03-26)	1,2
A	abstract	3-19
X	EP 0 522 742 A (HITACHI LTD) 13 January 1993 (1993-01-13)	1,2
A	column 6, line 20 - line 44	3-19
X	PATENT ABSTRACTS OF JAPAN vol. 012, no. 108 (E-597), 7 April 1988 (1988-04-07) -& JP 62 239503 A (HITACHI LTD), 20 October 1987 (1987-10-20)	1,2
A	abstract	3-19
X	DE 34 44 388 A (OXFORD MAGNET TECH) 1 August 1985 (1985-08-01)	1,2
A	page 10, last paragraph - page 11, last paragraph	3-19
X	US 4 774 486 A (MORITSU KAZUKI) 27 September 1988 (1988-09-27)	1,2
	column 2, line 61 - line 65	
X	US 5 256 969 A (MIYAJIMA GOH ET AL) 26 October 1993 (1993-10-26)	1,2,19
A	column 2, line 20 - line 32 column 3, line 43 - line 50 column 6, line 30 - line 66	3-18
A	YODA M ET AL: "Tunable acoustic absorber with micro deep hole array" MICROMECHATRONICS AND HUMAN SCIENCE, 1998. MHS '98. PROCEEDINGS OF THE 1998 INTERNATIONAL SYMPOSIUM ON NAGOYA, JAPAN 25-28 NOV. 1998, PISCATAWAY, NJ, USA, IEEE, US, 25 November 1998 (1998-11-25), pages 177-182, XP010321839 ISBN: 0-7803-5130-4 the whole document	1-3
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	FUCHS H V ET AL: "Einsatz mikro-perforierter Platten als Schallabsorber mit inhärenter Dämpfung" ACUSTICA, S. HIRZEL VERLAG, STUTTGART, DE, vol. 81, 1995, pages 107-116, XP002097650 ISSN: 0001-7884 the whole document -----	1-3

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6414489	B1	02-07-2002	NONE	
US 2003016018	A1	23-01-2003	DE 10134540 C1	06-03-2003
DE 19838390	A	02-03-2000	DE 19838390 A1	02-03-2000
US 5084676	A	28-01-1992	JP 1915874 C	23-03-1995
			JP 3032643 A	13-02-1991
			JP 6014913 B	02-03-1994
			JP 2168936 A	29-06-1990
			JP 2886871 B2	26-04-1999
EP 0350640	A	17-01-1990	DE 68927749 D1	20-03-1997
			DE 68927749 T2	12-06-1997
			EP 0350640 A2	17-01-1990
			JP 1852235 C	21-06-1994
			JP 2084935 A	26-03-1990
			JP 5068973 B	30-09-1993
			US 4954781 A	04-09-1990
JP 2002085368	A	26-03-2002	NONE	
EP 0522742	A	13-01-1993	JP 2982392 B2	22-11-1999
			JP 5015508 A	26-01-1993
			DE 69215985 D1	30-01-1997
			DE 69215985 T2	12-06-1997
			EP 0522742 A1	13-01-1993
			US 5309105 A	03-05-1994
JP 62239503	A	20-10-1987	JP 1775260 C	28-07-1993
			JP 4061484 B	01-10-1992
DE 3444388	A	01-08-1985	DE 3444388 A1	01-08-1985
			FR 2557351 A1	28-06-1985
			JP 61082152 A	25-04-1986
			NL 8403654 A	01-07-1985
US 4774486	A	27-09-1988	JP 61278741 A	09-12-1986
			JP 1703858 C	14-10-1992
			JP 3070490 B	07-11-1991
			JP 61279238 A	10-12-1986
			DE 3677344 D1	07-03-1991
			EP 0225390 A1	16-06-1987
			WO 8607459 A1	18-12-1986
US 5256969	A	26-10-1993	JP 3173530 A	26-07-1991